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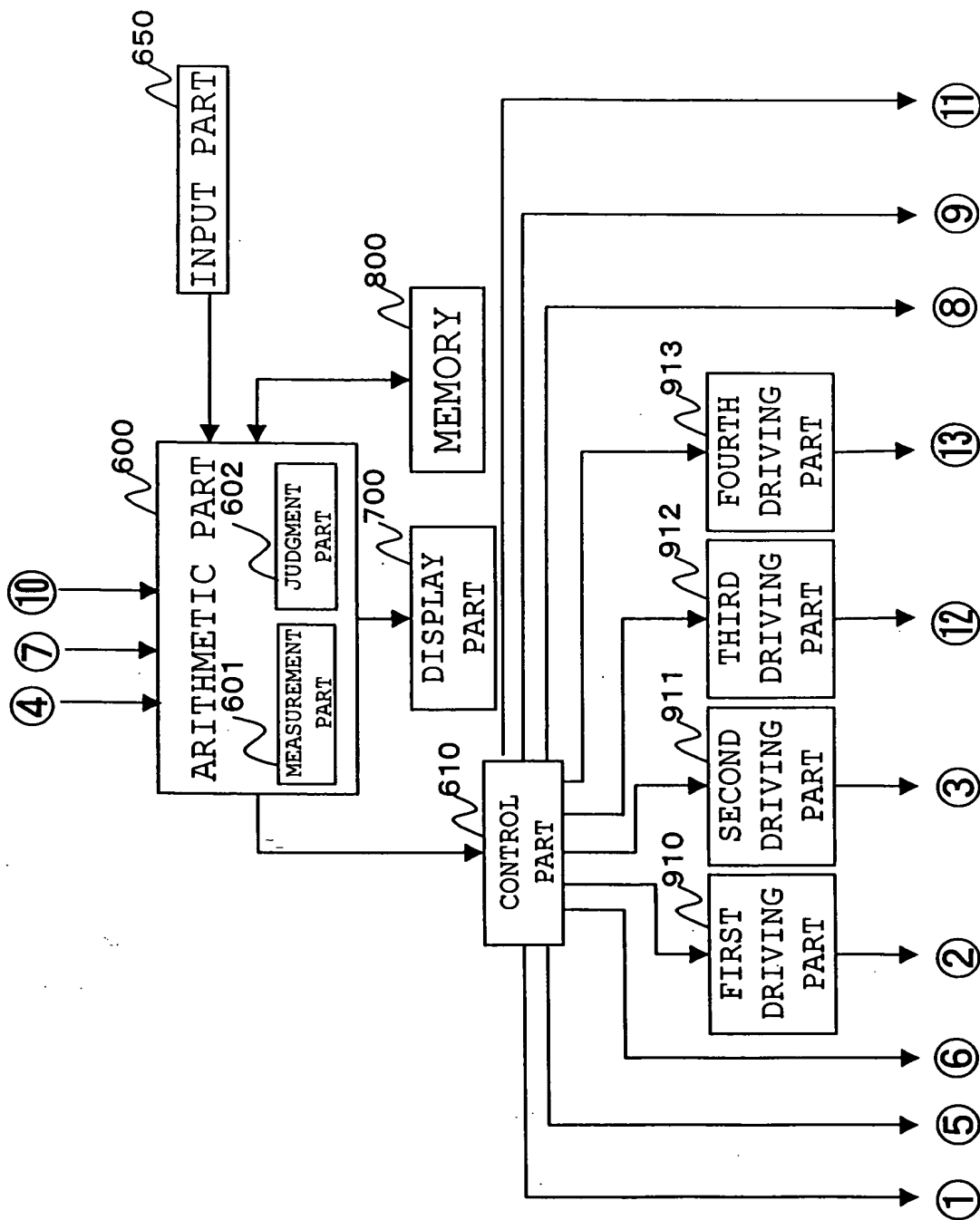


FIG. 2

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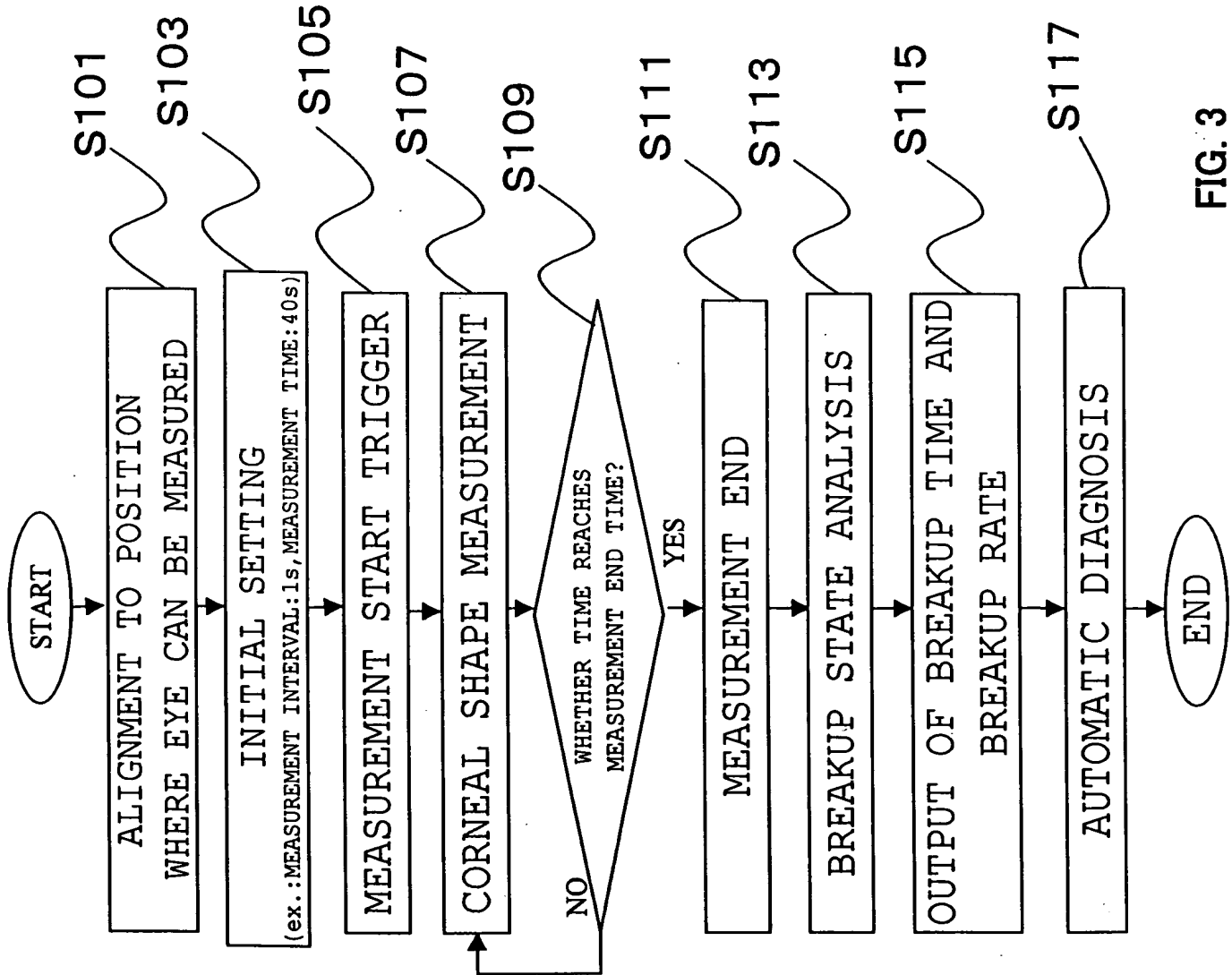


FIG. 3

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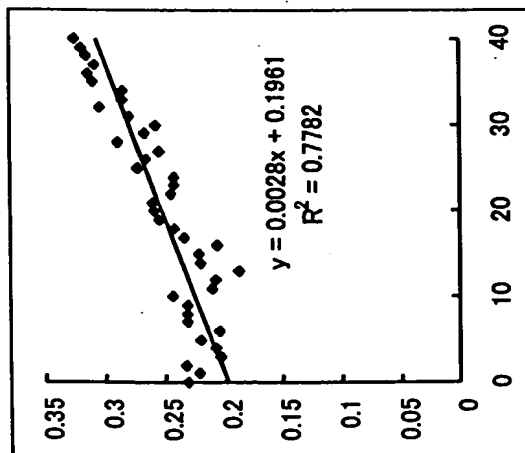
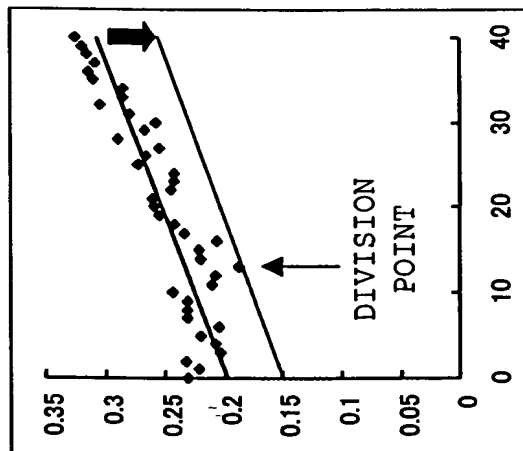
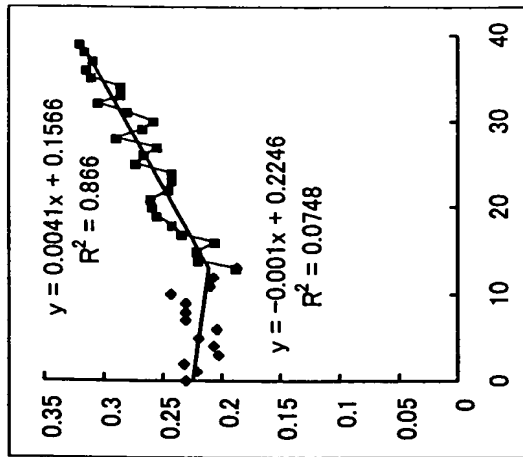


FIG. 4

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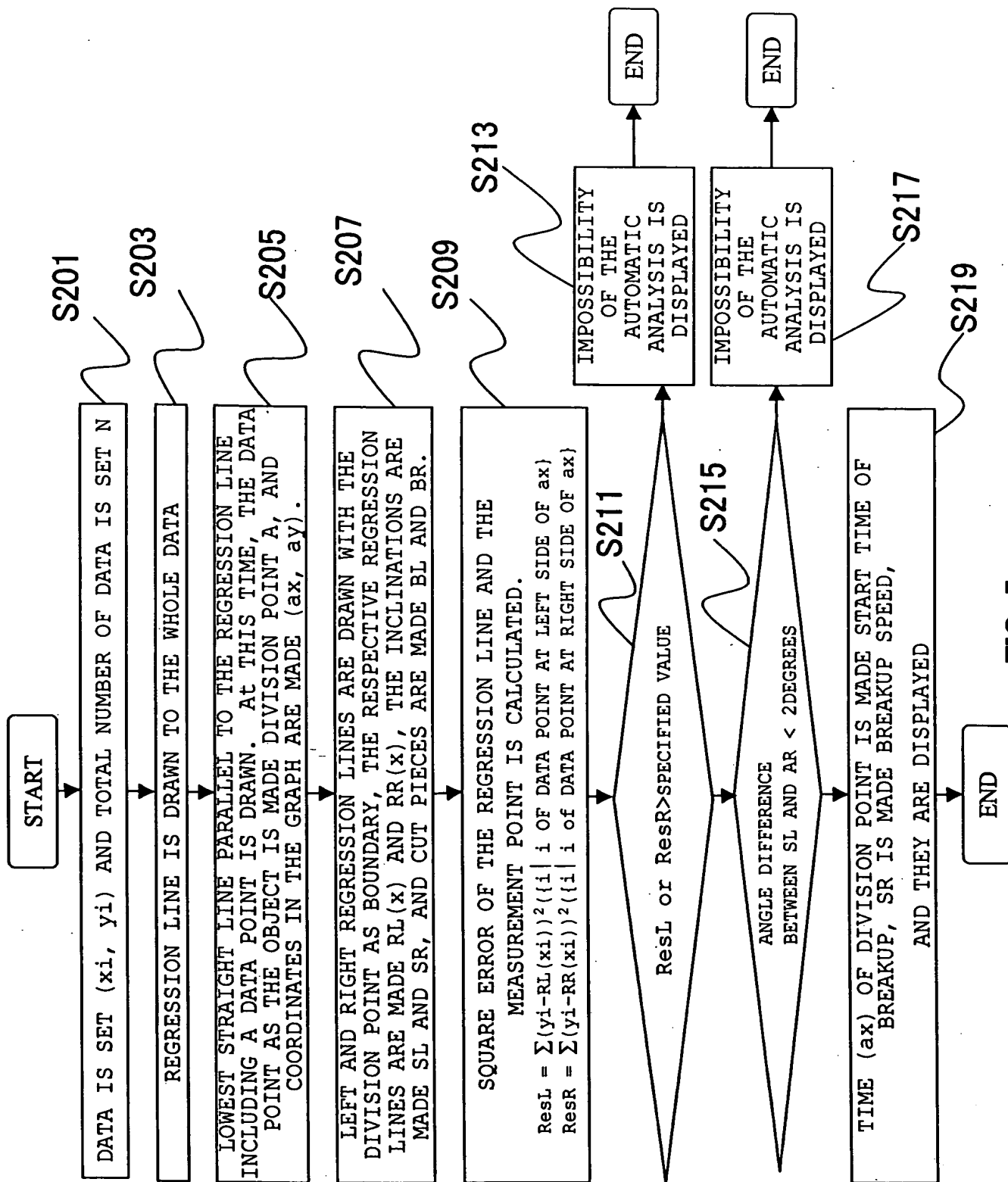
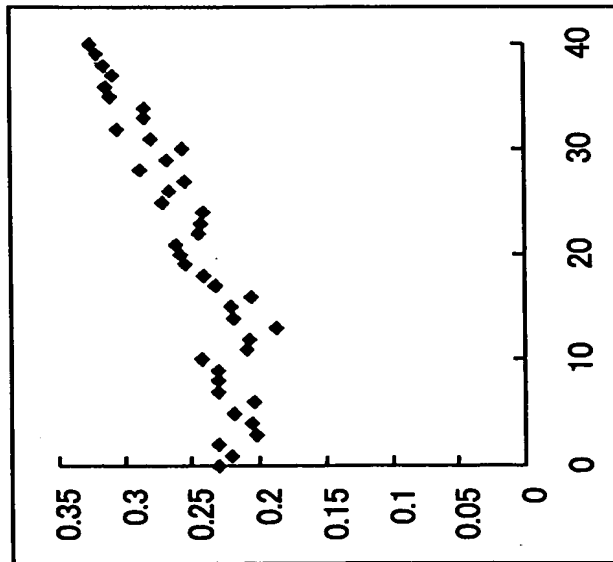
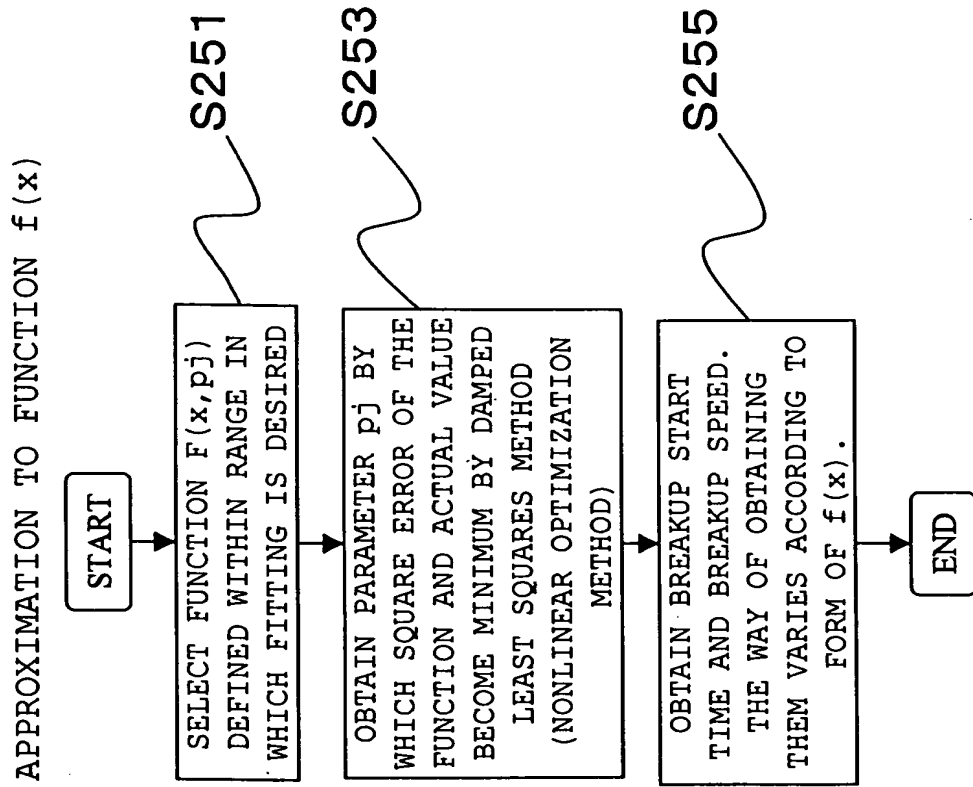


FIG. 5

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(a)

(b)

FIG. 6

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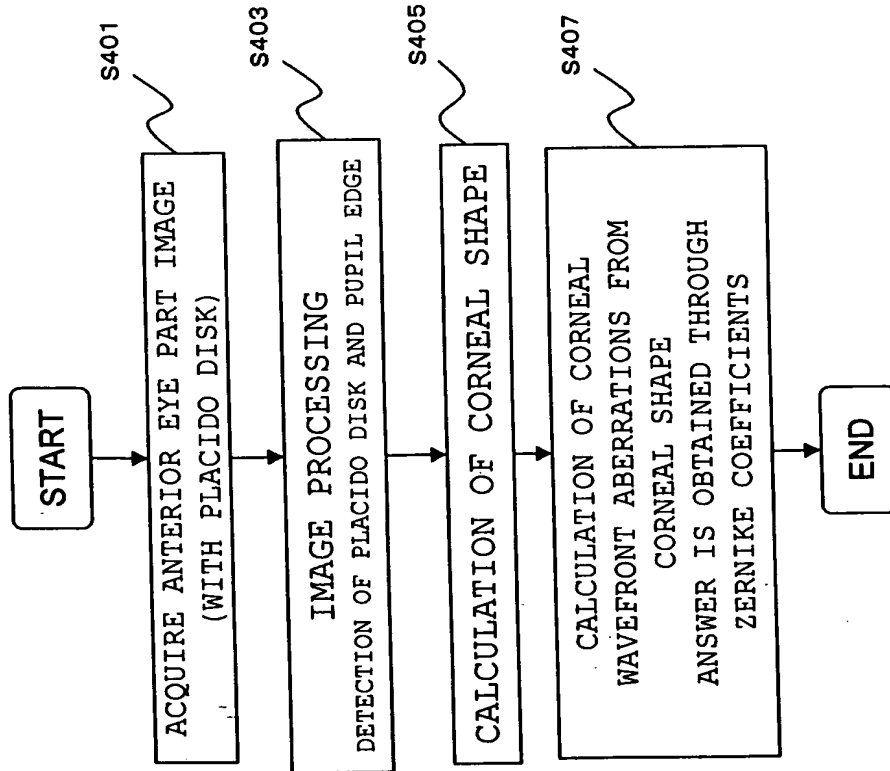


FIG. 7

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FIG. 8B

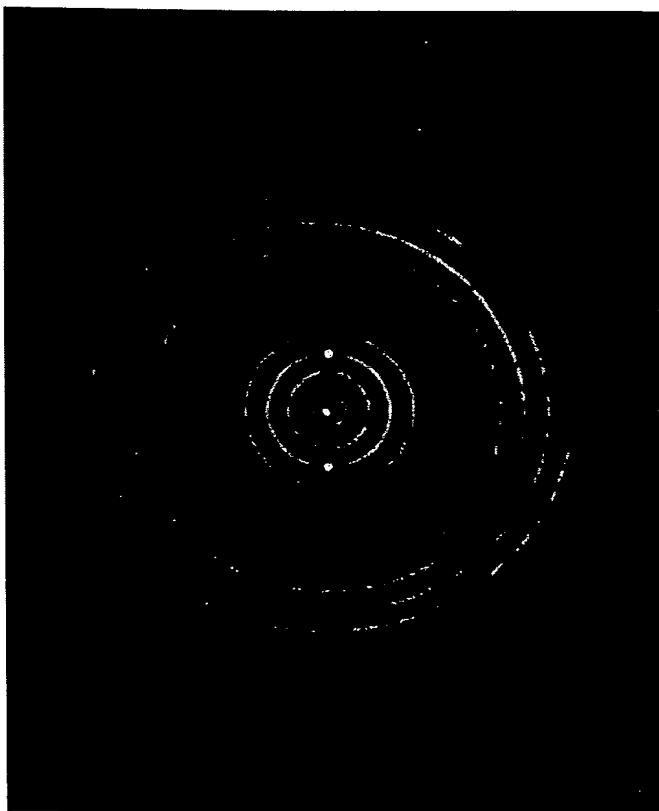


FIG. 8A

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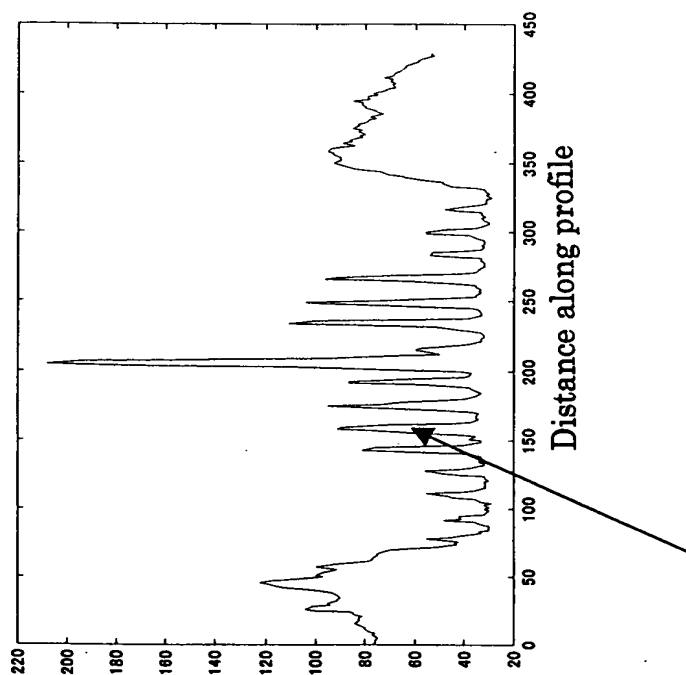


FIG. 9B

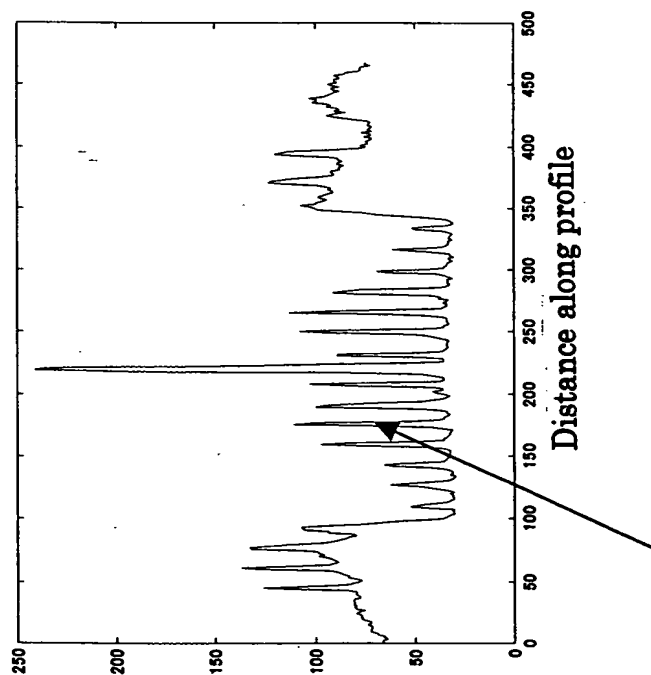


FIG. 9A

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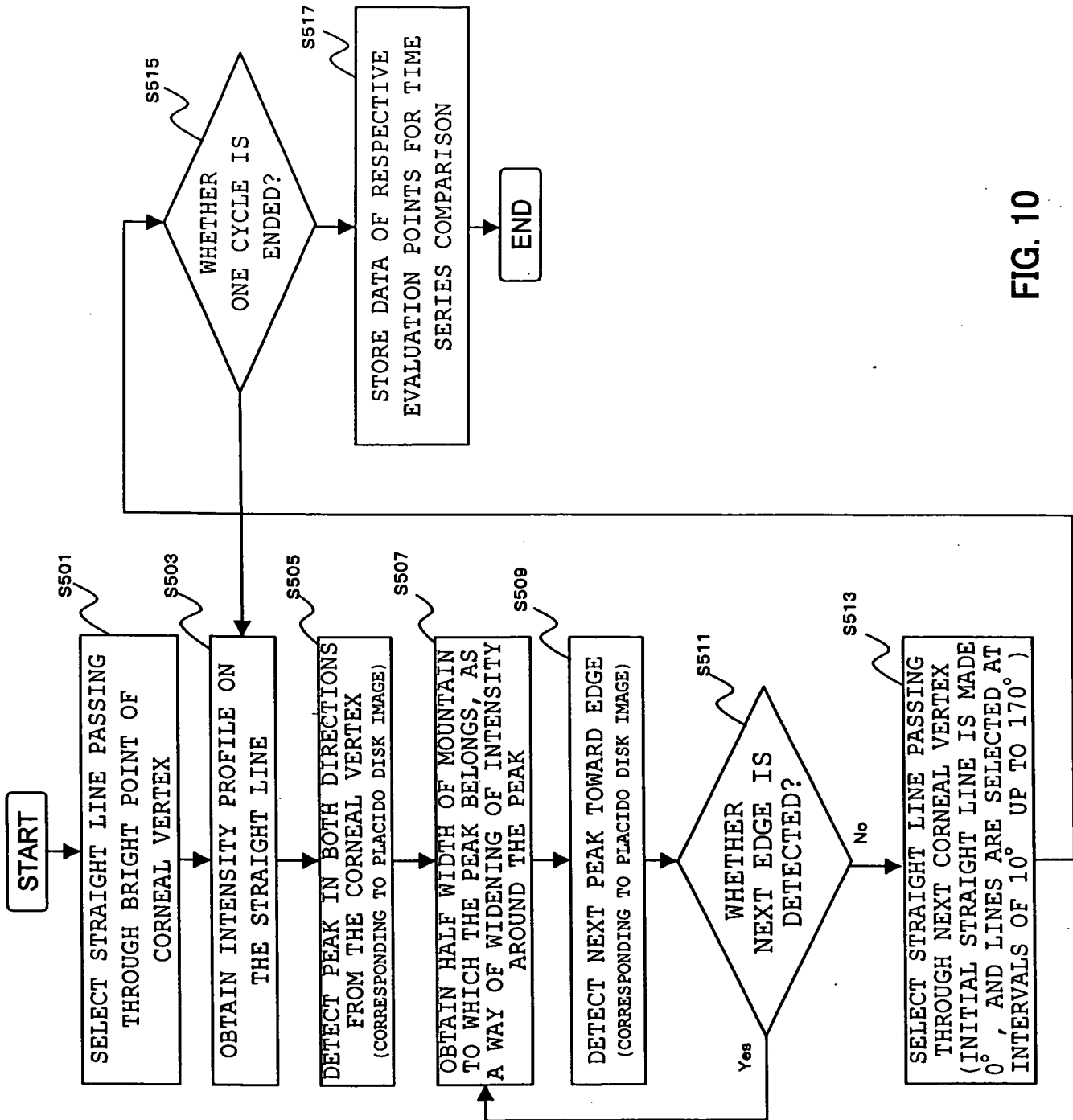


FIG. 10

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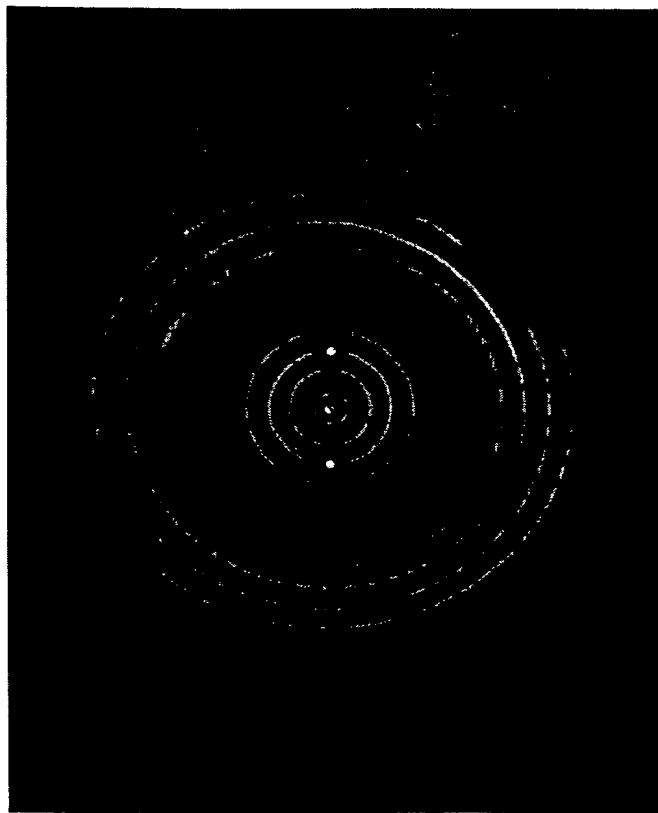


FIG. 11

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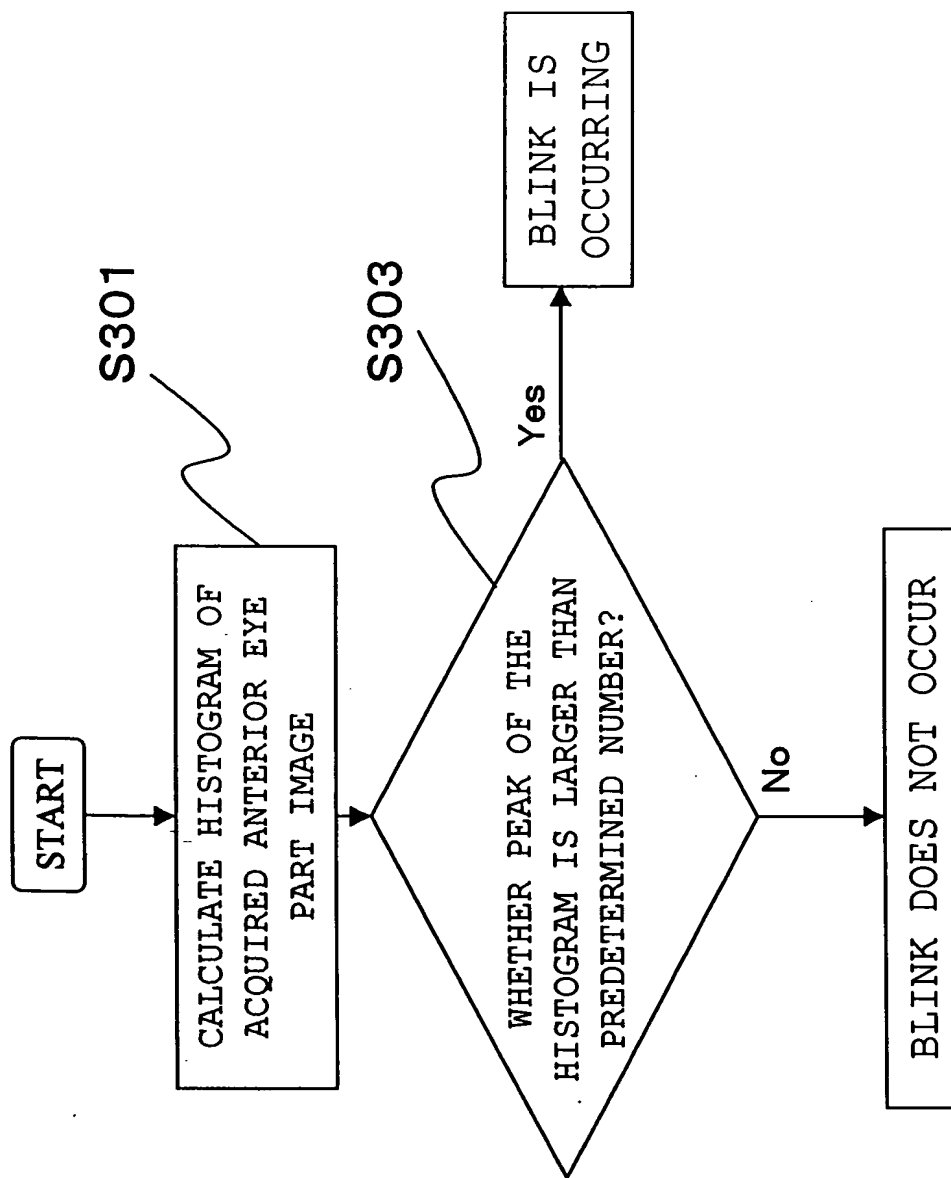


FIG. 12

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FIG. 13A

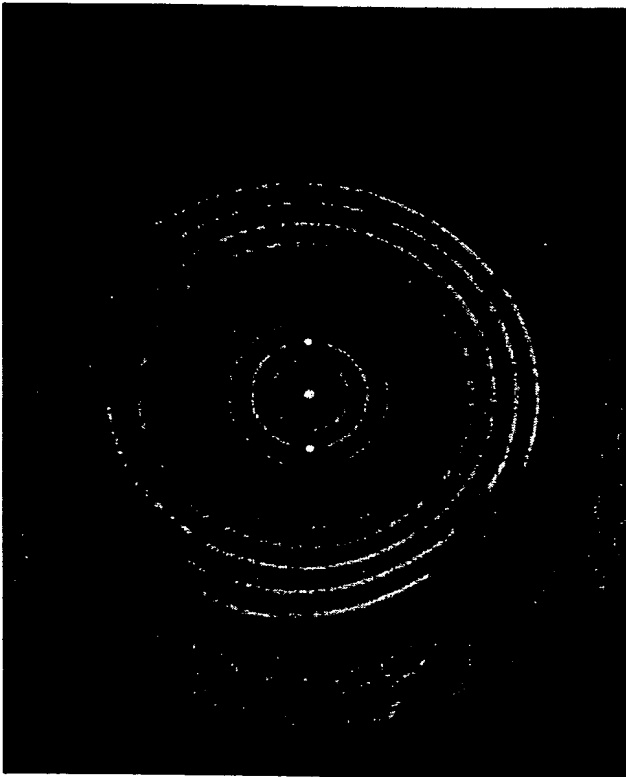
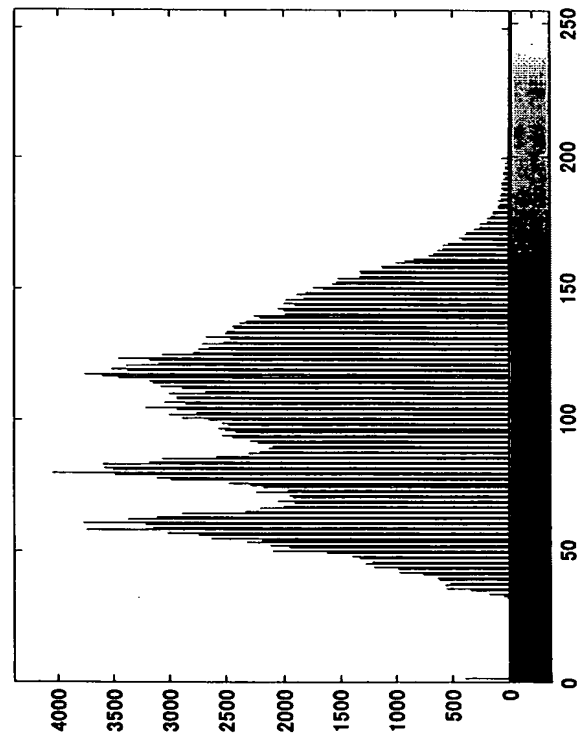


FIG. 13B



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FIG. 14A

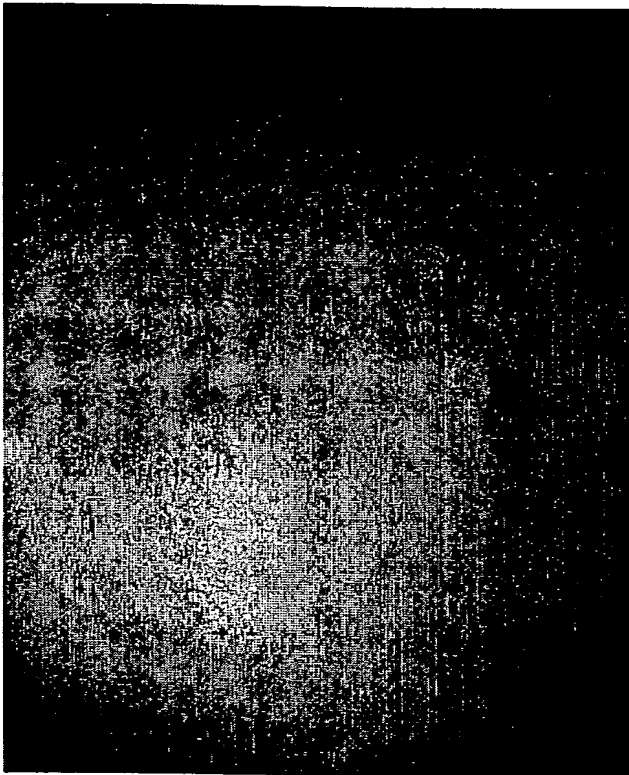
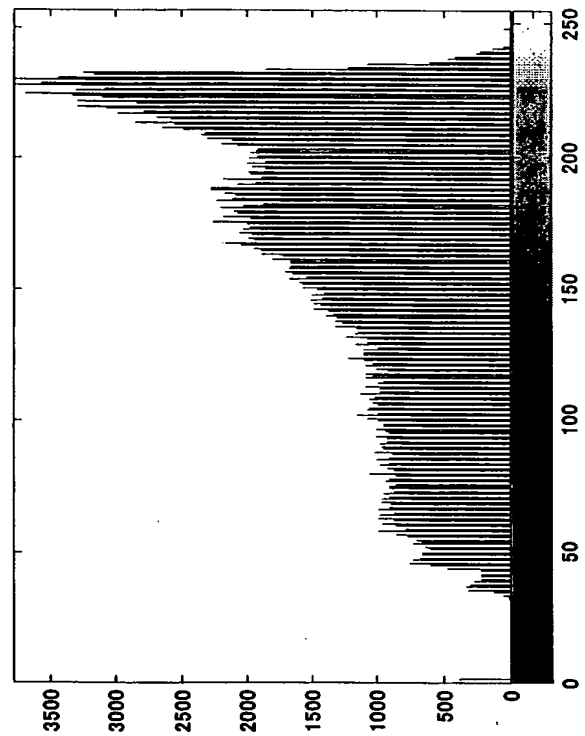


FIG. 14B



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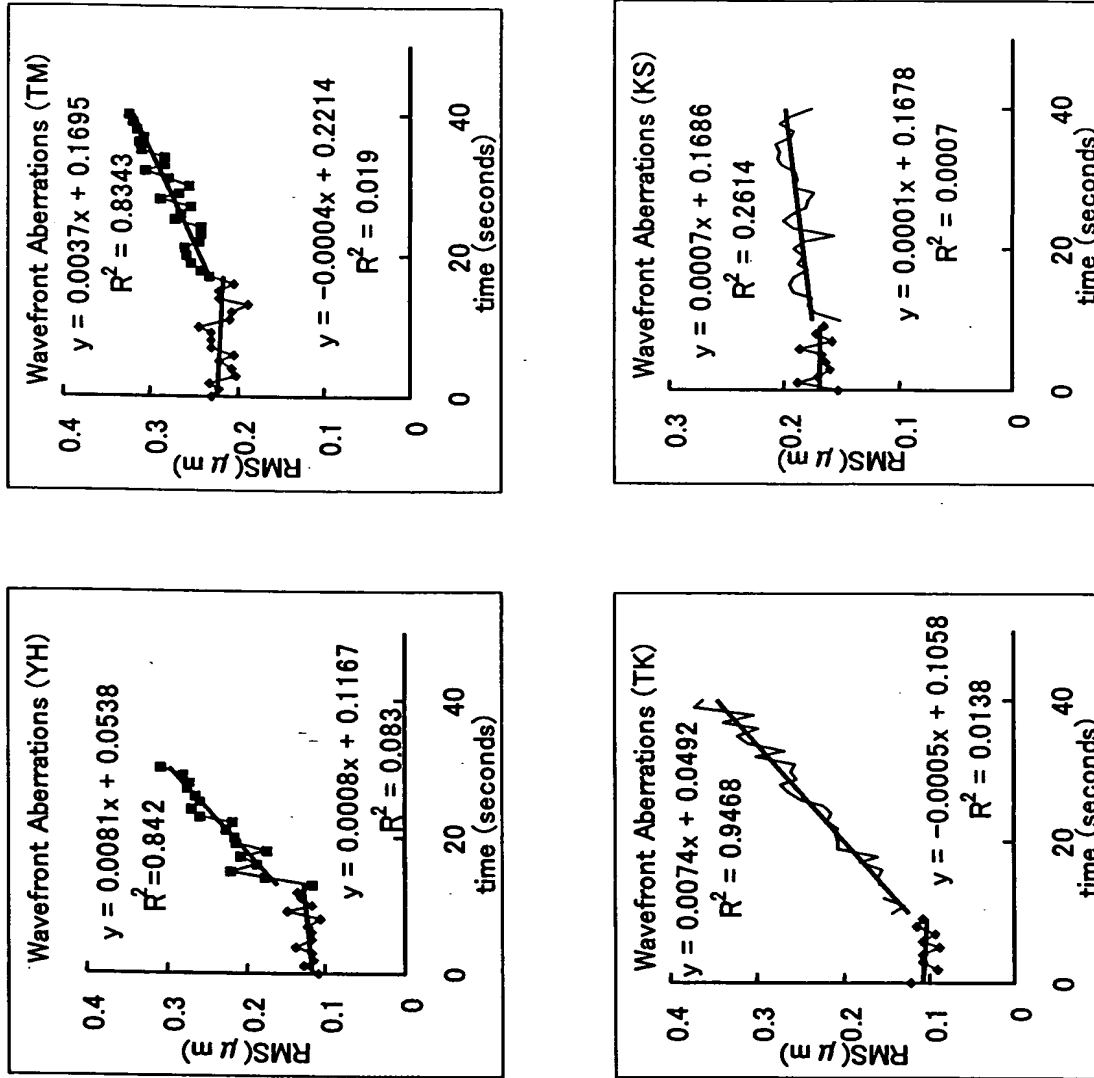


FIG. 15

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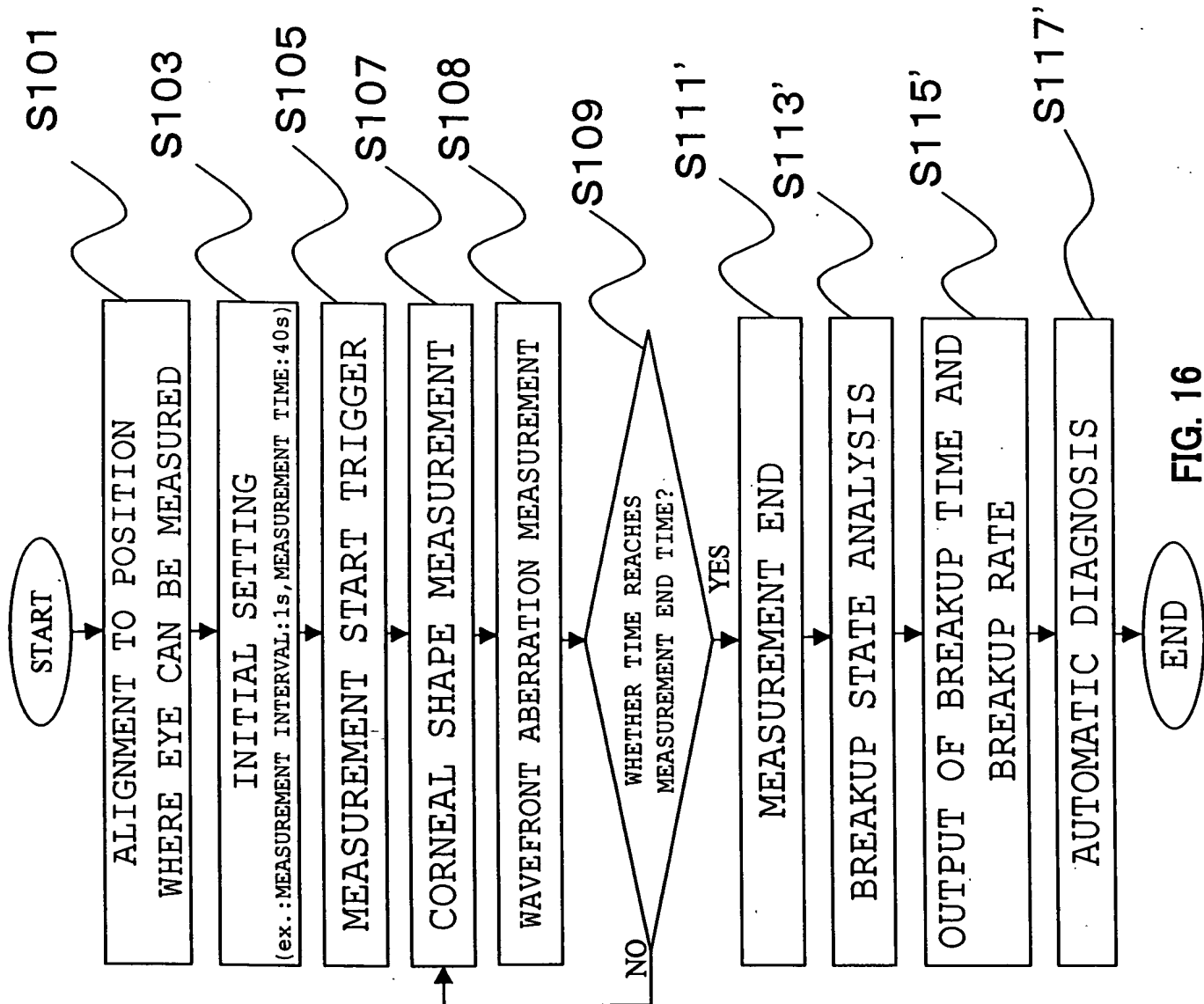


FIG. 16

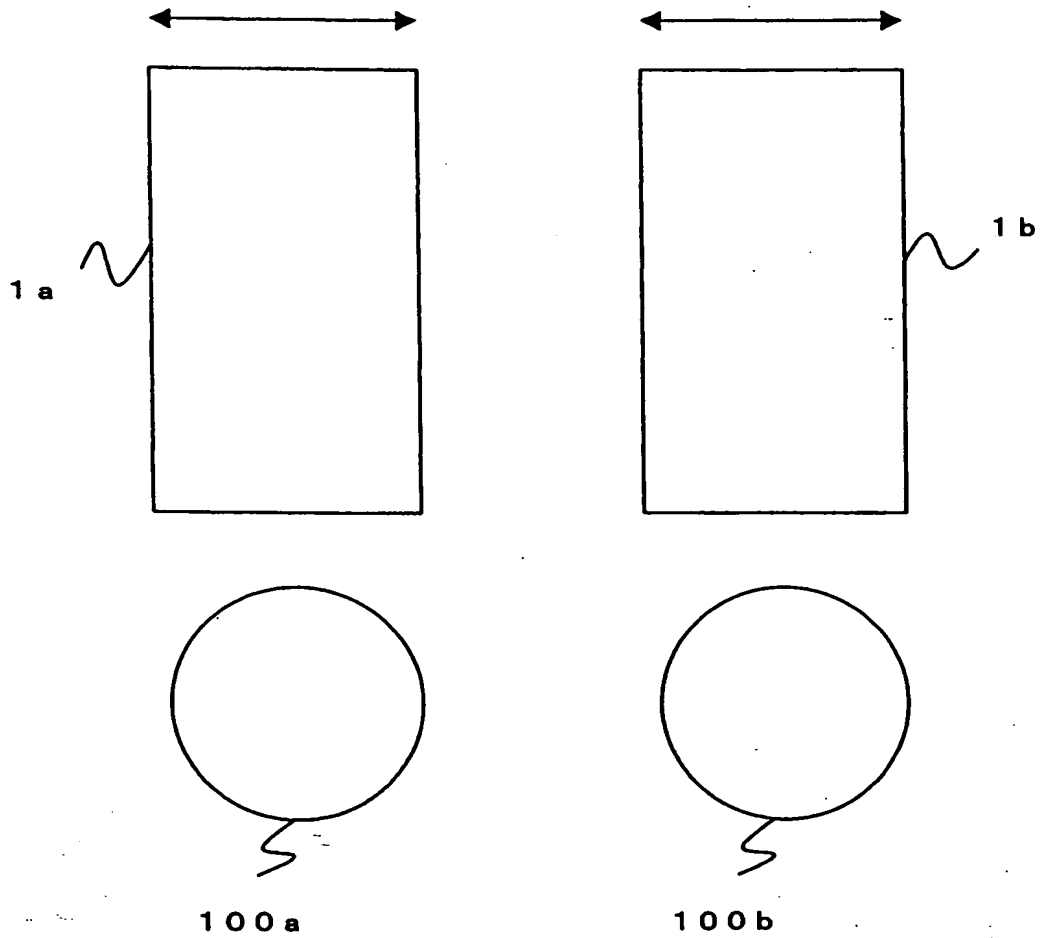


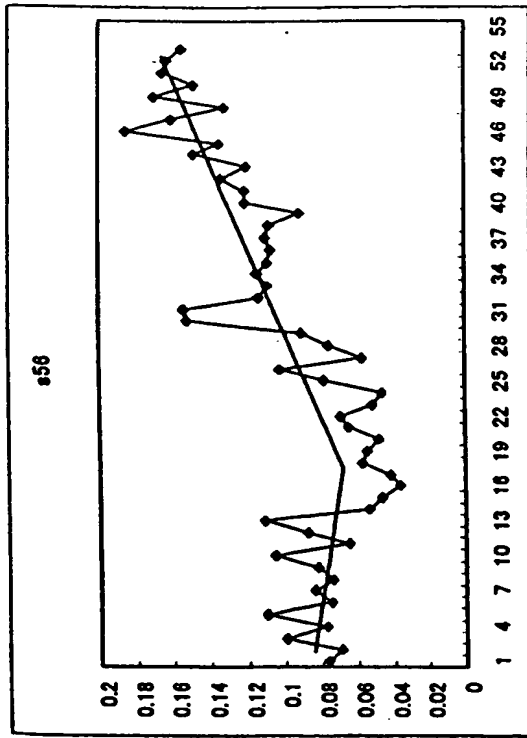
FIG. 17

$i \quad 2j - i$		
0	0	1
1	-1	$r \sin(t)$
1	1	$\cos(t) r$
2	-2	$r^2 \sin(2t)$
2	0	$2r^2 - 1$
2	2	$r^2 \cos(2t)$
3	-3	$r^3 \sin(3t)$
3	-1	$(3r^3 - 2r) \sin(t)$
3	1	$(3r^3 - 2r) \cos(t)$
3	3	$r^3 \cos(3t)$
4	-4	$r^4 \sin(4t)$
4	-2	$(4r^4 - 3r^2) \sin(2t)$
4	0	$6r^4 - 6r^2 + 1$
4	2	$(4r^4 - 3r^2) \cos(2t)$
4	4	$r^4 \cos(4t)$
5	-5	$r^5 \sin(5t)$
5	-3	$(5r^5 - 4r^3) \sin(3t)$
5	-1	$(10r^5 - 12r^3 + 3r) \sin(t)$
5	1	$(10r^5 - 12r^3 + 3r) \cos(t)$
5	3	$(5r^5 - 4r^3) \cos(3t)$
5	5	$r^5 \cos(5t)$
6	-6	$r^6 \sin(6t)$
6	-4	$(6r^6 - 5r^4) \sin(4t)$
6	-2	$(15r^6 - 20r^4 + 6r^2) \sin(2t)$
6	0	$20r^6 - 30r^4 + 12r^2 - 1$
6	2	$(15r^6 - 20r^4 + 6r^2) \cos(2t)$
6	4	$(6r^6 - 5r^4) \cos(4t)$
6	6	$r^6 \cos(6t)$

FIG. 18

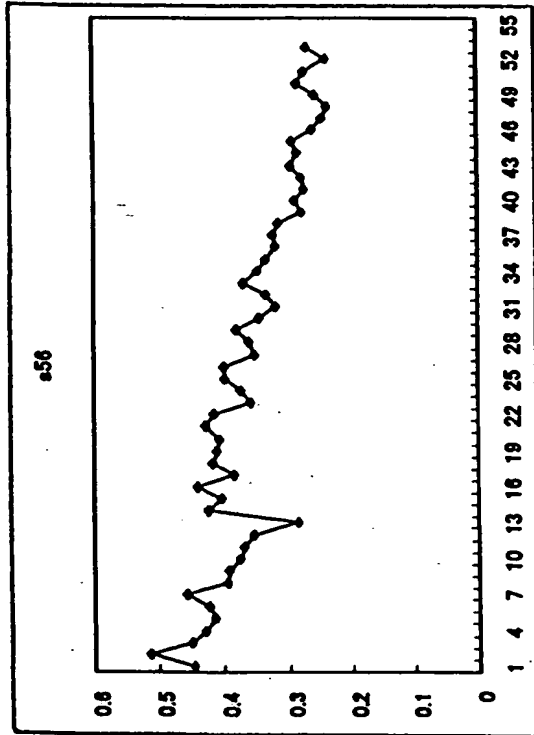
i	2j-i	
0	0	1
1	-1	y
1	1	x
2	-2	2yx
2	0	2x <sup>2</sup> + 2y <sup>2</sup> - 1
2	2	x <sup>2</sup> - y <sup>2</sup>
3	-3	3yx <sup>2</sup> - y <sup>3</sup>
3	-1	3yx <sup>2</sup> + 3y <sup>3</sup> - 2y
3	1	3x <sup>3</sup> + 3xy <sup>2</sup> - 2x
3	3	x <sup>3</sup> - 3xy <sup>2</sup>
4	-4	4yx <sup>3</sup> - 4y <sup>3</sup> x
4	-2	8yx <sup>3</sup> + 8y <sup>3</sup> x - 6yx
4	0	6x <sup>4</sup> + 12x <sup>2</sup> y <sup>2</sup> + 6y <sup>4</sup> - 6x <sup>2</sup> - 6y <sup>2</sup> + 1
4	2	4x <sup>4</sup> - 4y <sup>4</sup> - 3x <sup>2</sup> + 3y <sup>2</sup>
4	4	x <sup>4</sup> - 6x <sup>2</sup> y <sup>2</sup> + y <sup>4</sup>
5	-5	5yx <sup>4</sup> - 10y <sup>3</sup> x <sup>2</sup> + y <sup>5</sup>
5	-3	15yx <sup>4</sup> + 10y <sup>3</sup> x <sup>2</sup> - 5y <sup>5</sup> - 12yx <sup>2</sup> + 4y <sup>3</sup>
5	-1	10yx <sup>4</sup> + 20y <sup>3</sup> x <sup>2</sup> + 10y <sup>5</sup> - 12yx <sup>2</sup> - 12y <sup>3</sup> + 3y
5	1	10x <sup>5</sup> + 20x <sup>3</sup> y <sup>2</sup> + 10xy <sup>4</sup> - 12x <sup>3</sup> - 12xy <sup>2</sup> + 3x
5	3	5x <sup>5</sup> - 10x <sup>3</sup> y <sup>2</sup> - 15xy <sup>4</sup> - 4x <sup>3</sup> + 12xy <sup>2</sup>
5	5	x <sup>5</sup> - 10x <sup>3</sup> y <sup>2</sup> + 5xy <sup>4</sup>
6	-6	6yx <sup>5</sup> - 20y <sup>3</sup> x <sup>3</sup> + 6y <sup>5</sup> x
6	-4	24yx <sup>5</sup> - 24y <sup>5</sup> x - 20yx <sup>3</sup> + 20y <sup>3</sup> x
6	-2	30yx <sup>5</sup> + 60y <sup>3</sup> x <sup>3</sup> + 30y <sup>5</sup> x - 40yx <sup>3</sup> - 40y <sup>3</sup> x + 12yx
6	0	20x <sup>6</sup> + 60x <sup>4</sup> y <sup>2</sup> + 60x <sup>2</sup> y <sup>4</sup> + 20y <sup>6</sup> - 30x <sup>4</sup> - 60x <sup>2</sup> y <sup>2</sup> - 30y <sup>4</sup> + 12x <sup>2</sup> + 12y <sup>2</sup> - 1
6	2	15x <sup>6</sup> + 15x <sup>4</sup> y <sup>2</sup> - 15x <sup>2</sup> y <sup>4</sup> - 15y <sup>6</sup> - 20x <sup>4</sup> + 20y <sup>4</sup> + 6x <sup>2</sup> - 6y <sup>2</sup>
6	4	6x <sup>6</sup> - 30x <sup>4</sup> y <sup>2</sup> - 30x <sup>2</sup> y <sup>4</sup> + 6y <sup>6</sup> - 5x <sup>4</sup> + 30x <sup>2</sup> y <sup>2</sup> - 5y <sup>4</sup>
6	6	x <sup>6</sup> - 15x <sup>4</sup> y <sup>2</sup> + 15x <sup>2</sup> y <sup>4</sup> - y <sup>6</sup>

FIG. 19



FIFTH AND SIXTH ABERRATIONS

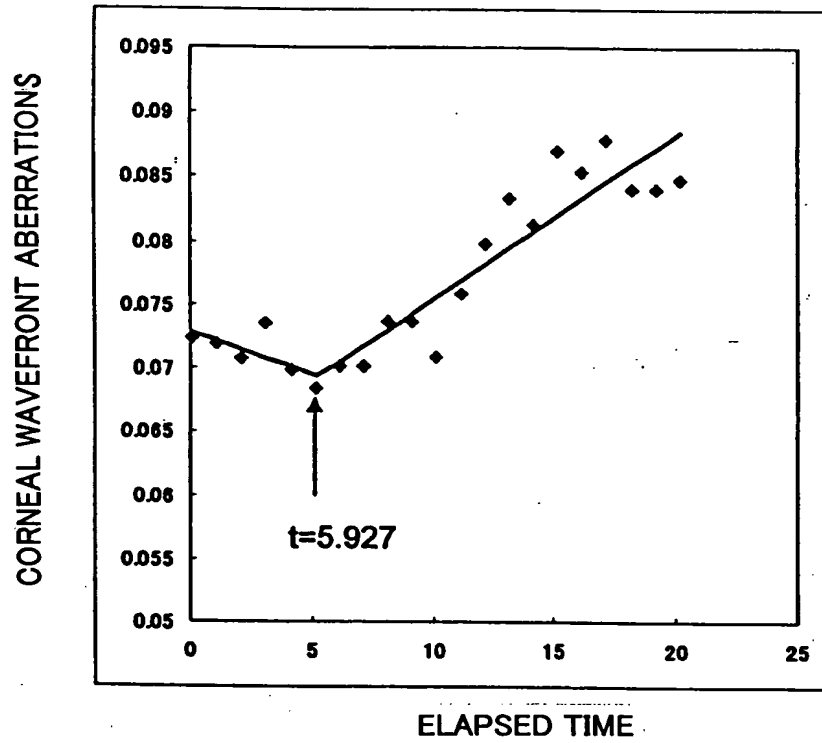
FIG. 20B



THIRD AND FOURTH ABERRATIONS

FIG. 20A

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$$\text{CORNEAL WAVEFRONT ABERRATION} = \begin{cases} -0.00418(t-5.927)+0.09299, & \text{for } t < 5.927, \\ 0.00458(t-5.927)+0.09299, & \text{for } t \geq 5.927. \end{cases}$$

FIG. 21

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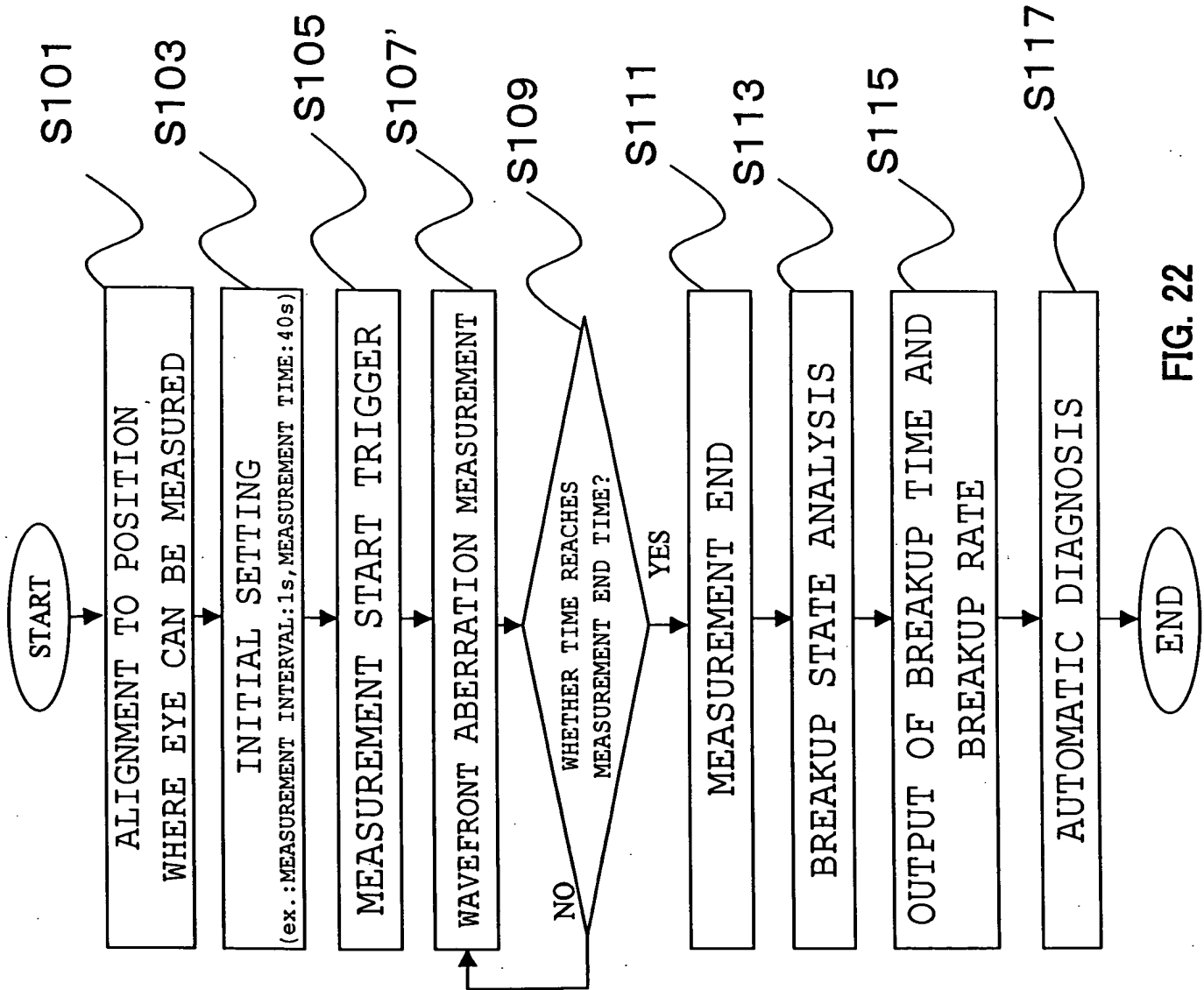


FIG. 22